

Federal Communications Commission Statement

This equipment has been followed to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of the following measures:

Reorient or relocate the receiving antenna,
Increase the separation between the equipment and receiver,
Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undersired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Limited Warranty

Vision Guarantees that every wireless lighting module is free from physical defects in material and workmanship under normal use for one year from the date of purchase. If the product proves defective during this one-year warranty period, Vision will replace it free of charge. Vision does not issue any refunds. This warranty is extended to the original end user purchase only and is not transferable. This warranty does not apply to : (1) damage to units caused by accident, dropping or abuse in handling, or any negligent use; (2) units which have been subject to unauthorized repair, taken apart, or otherwise modified; (3) units not used in accordance with instruction; (4) damages exceeding the cost of the product; (5) transit damage, initial installation costs, removal cost, or reinstallation cost.

For information on additional devices, please visit us at www.visionsecurity.com.tw



Operation Manual

2GIG-Z-BRG1-433

Z-Wave Bridge – 433MHz

2GIG-Z-BRG1-433	V0	1011218	
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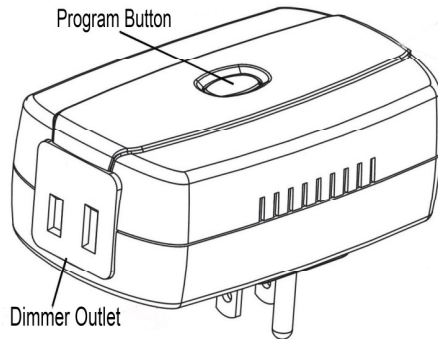
Introduction

Thanks for choosing the Vision's CT Clamp Bridge of the home automation device. This module is a Z-Wave™ enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave™ enabled network. Every main powered Z-Wave™ enabled device acts as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-spot".

Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. This module will receive the most update energy usage from CT Clamp, and send to the controller by its signal. This module will also send dimmer signal to the appliance that attached to this module by receiving Z-Wave™ signal from controller or manually switch. With special design, this module won't interfere the other power outlet when plug into the AC outlet. This module also acts as repeater (supporting FLiRS).

Product Description and Specification

* For indoor use *



Specification:

Protocol: Z-Wave™ (ZM3102N)
Frequency Range:
908.42MHz (2GIG-Z-BRG1-433)
Operating Range: Up to 100 feet line of sight
Operating Temp.: -15°C~ 60°C (5°F~140°F)
Operating Voltage: 120V~, 15A, 60Hz
For **2GIG-Z-BRG1-433 only**
Max. Load: 300W for Resistive Load

Package Content:

1pc 2GIG-Z-BRG1-433
(CT Clamp Bridge)
1pc User Manual

Z-Wave™ Command Class:

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COMMAND_CLASS_SWITCH_MULTILEVEL  
(Mapping COMMAND_CLASS_BASIC)  
COMMAND_CLASS_SWITCH_ALL  
COMMAND_CLASS_METER_V2  
COMMAND_CLASS_PROTECTION  
COMMAND_CLASS_VERSION  
COMMAND_CLASS_MANUFACTURER_SPECIFIC
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Operation

If you are installing the entire Z-Wave™ system for the first time, please refer to the installation guide of Z-Wave™ Interface Controller before installing 2GIG-Z-BRG1-433.

1. Learning CT Clamp: Press program button before power on and green LED will flash 3 times, release the button till the green LED stay on. Switch on the CT Clamp. LED shall go off after learning.
2. For "**Inclusion**" in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the 2GIG-Z-BRG1-433 into your controller. To get in the "Inclusion" mode, the distance between 2GIG-Z-BRG1-433 and controller is suggested to be in one meter. User can press program switch once to be included.

For "**Exclusion**" from (removing from) a network: Set up the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to delete the 2GIG-Z-BRG1-433 from your controller. Press program button to be excluded.

3. 2GIG-Z-BRG1-433 will store the latest energy usage (W & kWh) from CT Clamp, and send to controller if the controller is asking for information.
4. Manually turn the connected lighting On/Off by your controller or pressing the program button. This is toggle switch. If the light is Off, pressing the button turns the light On and vice versa. User can also adjust the brightness level of the connected lighting by your controller or pressing and holding the program button. Release the button when the desired level is attained. This is toggle function. The lighting will dim until the minimum level is attained or the button is released. The next time the button is pressed and held, the level will increase until the maximum level is attained or the button is released.
5. Protection Function: User can use the Protection command class to disable the Program Switch.
 - (1) Protection State=0x00 (Unprotected, Program Switch acts as normal);
 - (2) Protection State=0x01 (Protection by sequence, user can manual turn the appliance on/off by press Program Switch 3 times, instead of 1 time);
 - (3) Protection State=0x02 (No operation possible, temporarily turn the Program Switch function off).

Industry Canada Notice

Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Industry Canada Caution

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'IndustrieCanada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.